

EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	341576	michael trunz	USPAT	OR	ON	2006/12/07 16:38
S2	5938	S1 and ccd	USPAT	OR	ON	2006/12/07 16:27
S3	1650	S2 and (module or enclosure)	USPAT	OR	ON	2006/12/07 16:15
S4	754	S3 and (housing or ceramic)	USPAT	OR	ON	2006/12/07 16:17
S5	450	S4 and (plate or vibration)	USPAT	OR	ON	2006/12/07 16:17
S6	366	S5 and (glass or seal or fasten or shut or hermetic\$5)	USPAT	OR	ON	2006/12/07 16:19
S7	341557	michael trunz .in.	USPAT	OR	ON	2006/12/07 16:27
S8	5936	S7 and ccd	USPAT	OR	ON	2006/12/07 16:28
S9	1648	S8 and (module or enclosure)	USPAT	OR	ON	2006/12/07 16:28
S10	752	S9 and (housing or ceramic)	USPAT	OR	ON	2006/12/07 16:29
S11	448	S10 and (plate or vibration)	USPAT	OR	ON	2006/12/07 16:30
S12	364	S11 and (glass or seal or fasten or shut or hermetic\$5)	USPAT	OR	ON	2006/12/07 16:32
S13	402	S2 and (thermal and expansion)	USPAT	OR	ON	2006/12/07 16:31
S14	1709	S2 and (thermal or expansion)	USPAT	OR	ON	2006/12/07 16:31
S15	79	S11 and (thermal adj1 expansion)	USPAT	OR	ON	2006/12/11 14:26
S17	0	(michael adj1 trunz) and ((ccd adj1 module)or (ccd adj hous\$5))	USPAT	OR	ON	2006/12/07 16:39
S18	16	(michael trunz .in.) and ((ccd adj1 module)or (ccd adj hous\$5))	USPAT	OR	ON	2006/12/08 11:14
S19	2	("0026001" "5321204").PN.	USPAT	OR	ON	2006/12/11 13:36
S20	341552	michael trunz and ((ccd adj1 module)or (ccd adj hous\$5))	USPAT	OR	ON	2006/12/11 14:23
S21	20499	CCD and (packag\$5 or hous\$5)	USPAT	OR	ON	2006/12/11 15:05
S22	1061	S21 and (" thermal expansion")	USPAT	OR	ON	2006/12/11 14:34
S23	405	S22 and (vibrat\$5)	USPAT	OR	ON	2006/12/11 15:02
S24	0	S22 and (ccd near1 vibrat\$5)	USPAT	OR	ON	2006/12/11 15:03
S25	0	S22 and (ccd near1 vibrat\$)	USPAT	OR	ON	2006/12/11 15:04
S26	0	S22 and (ccd near5 vibrat\$)	USPAT	OR	ON	2006/12/11 15:04
S27	0	S22 and (ccd near4 vibrat\$5)	USPAT	OR	ON	2006/12/11 15:05
S28	17	S22 and (CCD near5 pad\$)	USPAT	OR	ON	2006/12/12 15:13
S29	87	S21 and (CCD near5 pad\$)	USPAT	OR	ON	2006/12/11 16:44
S30	5	"5466488"	USPAT	OR	ON	2006/12/12 15:13
S31	12	ccd near5 (vibration and (pad\$5 or cush\$5 or damp\$5 or reduc\$5))	USPAT	OR	ON	2006/12/13 13:56

EAST Search History

S32	17	ccd adj15 (vibration and (pad\$5 or cush\$5 or damp\$5 or reduc\$5))	USPAT	OR	ON	2006/12/13 14:04
S33	3	(ccd adj5 vibration) near5 (pad\$5 or cush\$5 or damp\$5 or reduc\$5)	USPAT	OR	ON	2006/12/13 14:12
S34	1761	punctiform	USPAT	OR	ON	2006/12/13 14:13
S35	41	quasi adj1 punctiform	USPAT	OR	ON	2006/12/13 14:13
S36	14	(quasi adj1 punctiform) and (quiver\$5 or shiver\$5 or puls\$7 or tremb\$5 or vibrat\$5)	USPAT	OR	ON	2006/12/13 14:16
S37	0	((quasi adj1 punctiform) and (quiver\$5 or shiver\$5 or puls\$7 or tremb\$5 or vibrat\$5)) and ccd	USPAT	OR	ON	2006/12/13 14:14
S38	1	(quasi adj1 punctiform) with(quiver\$5 or shiver\$5 or puls\$7 or tremb\$5 or vibrat\$5)	USPAT	OR	ON	2006/12/13 14:17
S39	3	(quasi adj1 punctiform) same (quiver\$5 or shiver\$5 or puls\$7 or tremb\$5 or vibrat\$5)	USPAT	OR	ON	2006/12/13 14:19
S40	0	(quasi adj1 punctiform) same (absorb\$5)	USPAT	OR	ON	2006/12/13 14:20
S41	0	(quasi adj1 punctiform) near (absorb\$5)	USPAT	OR	ON	2006/12/13 14:20
S42	0	(quasi adj1 punctiform) near (absor\$5)	USPAT	OR	ON	2006/12/13 14:21
S43	15564	vibra\$5 near7 absorb\$5	USPAT	OR	ON	2006/12/13 14:21
S44	3020	S43 with (enclos\$5 or hous\$5 or cas\$5 or hold\$5 or contain\$5)	USPAT	OR	ON	2006/12/13 14:24
S45	45	S44 same "anti"	USPAT	OR	ON	2006/12/13 14:37
S46	160	S44 same "Circuit"	USPAT	OR	ON	2006/12/13 14:41
S47	0	S46 same Punctiform	USPAT	OR	ON	2006/12/13 14:38
S48	0	S46 same quasi	USPAT	OR	ON	2006/12/13 14:38
S49	55	S46 same CCD	USPAT	OR	ON	2006/12/13 14:55
S50	55	S49 and mount\$5	USPAT	OR	ON	2006/12/13 14:56
S51	55	S49 and mount\$3	USPAT	OR	ON	2006/12/13 15:20
S52	45	S49 and mount	USPAT	OR	ON	2006/12/13 15:14
S53	1039	(Vibrat\$5 adj1 absorb\$5) with mount\$5	USPAT	OR	ON	2006/12/13 15:25
S54	1	S53 Same CCD	USPAT	OR	ON	2006/12/13 15:16
S55	30	S53 Same circuit	USPAT	OR	ON	2006/12/13 15:21
S56	442	S53 and (internal)	USPAT	OR	ON	2006/12/13 15:25
S57	171	S56 and protect\$5	USPAT	OR	ON	2006/12/13 15:27
S58	163	S57 and connect\$5	USPAT	OR	ON	2006/12/13 15:28

EAST Search History

S59	169	S57 and (connect\$5 or attatch\$5 or join\$5 or fasten\$5 link\$5)	USPAT	OR	ON	2006/12/13 15:31
S60	81	S59 and circuit	USPAT	OR	ON	2006/12/13 15:32
S61	81	S59 and(circuit OR CCD)	USPAT	OR	ON	2006/12/13 15:32
S62	28	S59 and ((circuit OR CCD) same mount\$5)	USPAT	OR	ON	2006/12/13 15:58
S63	3	S62 and (vibration near5 reduc\$10)	USPAT	OR	ON	2006/12/13 16:01
S64	0	S62 and ((CCD or Circuit) adj3 mount)	USPAT	OR	ON	2006/12/13 16:01
S65	8	S62 and ((CCD or Circuit) adj3 mount\$5)	USPAT	OR	ON	2006/12/13 16:05
S66	120552	"347"/ "207.99"	USPAT	OR	ON	2006/12/13 17:27
S67	0	(347"/"207.99).CCLS.	USPAT; USOCR	OR	OFF	2006/12/13 17:27
S68	517	(348/207.99).CCLS.	USPAT; USOCR	OR	OFF	2006/12/13 17:36
S69	10	S68 and (CCD same vibrat\$5)	USPAT	OR	ON	2006/12/13 17:39
S70	1	S68 and (CCD adj5 vibrat\$5)	USPAT	OR	ON	2006/12/13 17:30
S71	0	("L41and(plat\$5ormount\$5orabsorb \$5)").PN.	USPAT; USOCR	OR	OFF	2006/12/13 17:33
S72	0	("L41and(plat\$5ormount\$5orabsorb \$5)").PN.	USPAT; USOCR	OR	OFF	2006/12/13 17:33
S73	0	("L41andMount").PN.	USPAT; USOCR	OR	OFF	2006/12/13 17:33
S74	44	S68 and mount	USPAT	OR	ON	2006/12/13 17:36
S75	47	S68 and Mount	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/13 17:38
S76	38	S68 and absorb\$5	USPAT	OR	ON	2006/12/13 17:36
S77	22	S76 and Moun\$5	USPAT	OR	ON	2006/12/13 17:37
S78	1	S68 and (CCD adj1 vibrat\$5)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/13 17:38

EAST Search History

S79	0	S68 and (circuit adj1 vibrat\$5)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/13 17:38
S80	1248	348/207.99	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/13 17:48
S81	1	S80 and (CCD adj1 packag\$5)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/13 17:42
S82	4	S80 and ((CCD or Sensor\$5 or Modul\$5)adj1 packag\$5)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/13 17:43
S83	5	S80 and ((circuit or CCD) adj1 pack\$5)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/13 17:56
S84	283	S80 and module	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/13 17:48
S85	220	S84 and (CCD or circuit)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/13 17:50

EAST Search History

S86	125	S85 and mount\$5	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/13 17:49
S87	225	S84 and ((CCD package) or circuit)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/13 17:50
S88	172	S84 and (CCD package)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/13 17:50
S89	1	S84 and (CCD near5 package)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/13 17:51
S90	0	207.99/294	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/13 17:58
S91	1554	348/294	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/13 18:00
S92	0	348/207.99/294	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/13 17:58

EAST Search History

S93	1	S91 and (CCD adj1 mount)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/13 18:00
S94	0	("2006/0132631").URPN.	USPAT	OR	ON	2006/12/14 09:59
S95	0	("2006/0132631").URPN.	USPAT	OR	ON	2006/12/14 09:59
S96	0	("2006/0132631").URPN.	USPAT	OR	ON	2006/12/14 10:00
S97	0	207.99/294.ccls.	USPAT	OR	ON	2006/12/14 10:06
S98	0	207.99/294.ccls	USPAT	OR	ON	2006/12/14 10:06
S99	0	348/294.ccls	USPAT	OR	ON	2006/12/14 10:06
S10 0	477	348/294.ccls.	USPAT	OR	ON	2006/12/14 10:06
S10 1	0	S100 and (Vibrat\$5 adj1 plat\$5)	USPAT	OR	ON	2006/12/14 10:07
S10 2	4	S100 and (CCD near mount\$5)	USPAT	OR	ON	2006/12/14 10:08
S10 3	9	("3757127" "4113354" "4594613" "4682219" "4692608" "4745470" "4773396" "5021888" "5040069").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/12/14 10:54
S10 4	31	("4594613").URPN.	USPAT	OR	ON	2006/12/14 17:14
S10 5	11	("3757127").URPN.	USPAT	OR	ON	2006/12/14 17:04
S10 6	0	(S104 and S105) and (vibrat\$5)	USPAT	OR	ON	2006/12/14 17:14
S10 8	0	("6861720").URPN.	USPAT	OR	ON	2006/12/15 11:32
S10 9	40	punctiform\$5 near10 bond\$5	USPAT	OR	ON	2006/12/15 15:12
S11 0	70	punctiform\$5 near10 bond\$5	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/15 15:29

EAST Search History

S11 1	27	(punctiform\$5 near10 bond\$5) and (economic\$5 or vibrat\$5 or cool\$5)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/15 15:32
S11 2	2	(punctiform\$5 near10 bond\$5) near10 (economic\$5 or vibrat\$5 or cool\$5)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/15 15:32
S11 3	40	(punctiform\$5) near10 (economic\$5 or vibrat\$5 or cool\$5)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/15 15:54
S11 4	432	punctiform\$5 same (mount\$5 or substrat\$5)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/15 17:27
S11 5	9	(punctiform\$5 near5 bond\$5)same (mount\$5 or substrat\$5)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/15 16:00
S11 6	104	(narrow near3 (joint\$5 or mount\$5)) near5 substrat\$5	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/15 16:06
S11 7	173	(narrow near3 substrat\$5) near3 (connect\$3 or joint\$5 or bond\$5)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/15 16:07

EAST Search History

S11 8	173	((narrow or punctiform) near3 substrat\$5) near3 (connect\$3 or joint\$5 or bond\$5)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/15 16:09
S11 9	0	((((narrow or punctiform) near3 substrat\$5) near3 (connect\$3 or joint\$5 or bond\$5)) same CCD	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/15 16:09
S12 0	0	((((narrow or punctiform) near3 substrat\$5) near3 (connect\$3 or joint\$5 or bond\$5)) with CCD	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/15 16:09
S12 1	0	((((narrow or punctiform) near3 substrat\$5) near3 (connect\$3 or joint\$5 or bond\$5)) near50 CCD	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/15 16:10
S12 2	36	((((narrow or punctiform) near3 substrat\$5) near3 (connect\$3 or joint\$5 or bond\$5)) near50 (CCD or IC or (charge coupled device) or (Integrated Circuit) or circuit)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/15 16:41
S12 3	160	((substrat\$5 or carrier) near5 bond\$5) with CCD	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/15 16:43
S12 4	115	S123 and (packag\$5 or case or casing or (adhesiv\$5 and joint))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/15 16:54

EAST Search History

S12 5	7	CCD near (carrier and substrate)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/15 16:56
S12 6	13244	CCD and (carrier and substrate)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/15 16:56
S12 7	131	S126 and ((adhesiv\$5 or solder\$5)near bond)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/15 16:58
S12 8	108	S127 and (modul\$5 or packag\$5 or housing)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/15 16:59
S12 9	8	S127 and (sensor near (module or packag\$5 or housing))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/15 17:01
S13 0	0	S127 and (sensor near mount)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/15 17:01
S13 1	83	S127 and sensor	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/15 17:01

EAST Search History

S13 2	76	S131 and adhesive	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/15 17:02
S13 3	76	S132 and (adhesive bond)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/15 17:02
S13 4	41	S132 and (adhesive adj5 bond)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/15 17:02
S13 5	11	("3757127").URPN.	USPAT	OR	ON	2006/12/15 17:04
S13 6	6300	(ccd (sensor or module)) and (substrate near bond\$5)	USPAT	OR	ON	2006/12/15 17:05
S13 7	6866	(ccd (sensor or module)) and ((substrate or carrier) near bond\$5)	USPAT	OR	ON	2006/12/15 17:06
S13 8	90	(ccd (sensor or module)) near ((substrate or carrier) near bond\$5)	USPAT	OR	ON	2006/12/15 17:23
S13 9	448891	S138 (minimum and contact)	USPAT	OR	ON	2006/12/15 17:23
S14 0	39	S138 and (minimum and contact)	USPAT	OR	ON	2006/12/15 17:24
S14 1	28	S138 and ((minimum or contact) near substrate)	USPAT	OR	ON	2006/12/15 17:26
S14 2	2	S114 and (heat\$3 adj1 flux\$3)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/15 17:30
S14 3	1	punctiform near (heat\$3 adj1 flux\$5)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/15 17:31

EAST Search History

S14 4	6	(punctiform or bond or adhesive) near (heat\$3 adj1 flux\$5)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/15 17:32
S14 5	2	(quasi adj3 punctiform) near connection	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/15 17:33
S14 6	2	(quasi adj3 punctiform) near (connection or bond)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/15 17:34
S14 7	3	(quasi adj3 punctiform) same (substrate or housing)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/15 17:34
S14 8	1971	((module or packag\$3 or hous\$3) and (solder\$3 or (solder\$3 adj1 joint))) near substrate	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/15 17:37
S14 9	2	S147 and (CCD or ("charge coupled device"))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/15 17:38
S15 0	2	S147 and CCD	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/15 17:38
S15 1	10	("6020646").URPN.	USPAT	OR	ON	2006/12/15 17:40

EAST Search History

S15 2	12	("4044374" "4760440" "5021888" "5418566" "5495450" "5763943" "5767564" "5786589" "5867368" "5869855" "5869896" "5949655").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/12/18 13:51
S15 3	901533	thermal expansion coefficient	USPAT	OR	ON	2006/12/18 13:32
S15 4	307862	CCD module	USPAT	OR	ON	2006/12/18 13:33
S15 5	125	"CCD module"	USPAT	OR	ON	2006/12/18 13:33
S15 6	5902	substrate near5 (aluminum near3 oxide)	US-PGPUB; USPAT; USOCR	OR	ON	2006/12/18 13:45
S15 7	12	S156 and (CCD adj5 (package or module or substrate or housing))	US-PGPUB; USPAT; USOCR	OR	ON	2006/12/18 13:47
S15 8	12	S156 and ((aluminum oxide) near housing)	US-PGPUB; USPAT; USOCR	OR	ON	2006/12/18 13:47
S15 9	14935	(aluminum adj1 oxide) same (CCD or (charge coupled device))	US-PGPUB; USPAT; USOCR	OR	ON	2006/12/18 13:52
S16 0	59	S159 and (CCD with (substrate or carrier or housing))	US-PGPUB; USPAT; USOCR	OR	ON	2006/12/18 13:53
S16 1	130	S159 and (CCD same ((substrate or carrier or housing)) and (aluminum adj1 oxide))	US-PGPUB; USPAT; USOCR	OR	ON	2006/12/18 14:20
S16 2	28	S161 and ((aluminum adj1 oxide) with (substrate or housing))	US-PGPUB; USPAT; USOCR	OR	ON	2006/12/18 14:25
S16 3	7	S161 and ((aluminum adj1 oxide) adj5 (substrate or housing))	US-PGPUB; USPAT; USOCR	OR	ON	2006/12/18 14:20
S16 4	0	S161 and ((aluminum adj1 oxide) near (housing))	US-PGPUB; USPAT; USOCR	OR	ON	2006/12/18 14:20
S16 5	0	S161 and (CCD adj1 housing)	US-PGPUB; USPAT; USOCR	OR	ON	2006/12/18 14:21
S16 6	130	S161 and (CCD)	US-PGPUB; USPAT; USOCR	OR	ON	2006/12/18 14:21
S16 7	1	S161 and (CCD near packag\$5)	US-PGPUB; USPAT; USOCR	OR	ON	2006/12/18 14:24

EAST Search History

S16 8	0	S161 and (CCD near module)	US-PGPUB; USPAT; USOCR	OR	ON	2006/12/18 14:24
S16 9	10147	(aluminum adj1 oxide) with (packag\$5 or module or housing or substrate)	US-PGPUB; USPAT; USOCR	OR	ON	2006/12/18 14:25
S17 0	4853	S169 and ((CCD or charge coupled device) with (assembly or package or module or substrate))	US-PGPUB; USPAT; USOCR	OR	ON	2006/12/18 14:31
S17 1	19	S170 and (housing near (aluminum oxide))	US-PGPUB; USPAT; USOCR	OR	ON	2006/12/18 14:28
S17 2	4853	S170 and ((CCD or charge coupled device) with (assembly or package or module or substrate))	US-PGPUB; USPAT; USOCR	OR	ON	2006/12/18 14:32
S17 3	4853	S170 and (aluminum adj1 oxide)	US-PGPUB; USPAT; USOCR	OR	ON	2006/12/18 14:32
S17 4	0	S173 and (ccd near module)	US-PGPUB; USPAT; USOCR	OR	ON	2006/12/18 14:33
S17 5	179	S173 and ccd	US-PGPUB; USPAT; USOCR	OR	ON	2006/12/18 14:33
S17 6	176	S175 and substrate	US-PGPUB; USPAT; USOCR	OR	ON	2006/12/18 14:33
S17 7	179	S175 and aluminum	US-PGPUB; USPAT; USOCR	OR	ON	2006/12/18 14:33
S17 8	18	S175 and housing	US-PGPUB; USPAT; USOCR	OR	ON	2006/12/18 14:35
S17 9	23	"6020646"	US-PGPUB; USPAT; USOCR	OR	ON	2006/12/18 14:36
S18 0	12	("4044374" "4760440" "5021888" "5418566" "5495450" "5763943" "5767564" "5786589" "5867368" "5869855" "5869896" "5949655").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/12/18 14:38
S18 1	22758	(aluminum oxide) same ((thermal expansion) near1 coefficient)	US-PGPUB; USPAT; USOCR	OR	ON	2006/12/18 14:39
S18 2	0	((aluminum oxide) with ((thermal expansion) near1 coefficient))near CCD	US-PGPUB; USPAT; USOCR	OR	ON	2006/12/18 14:39

EAST Search History

S18 3	10716	((aluminum oxide) with ((thermal expansion) near1 coefficient))	US-PGPUB; USPAT; USOCR	OR	ON	2006/12/18 14:39
S18 4	1913	((aluminum oxide) with ((thermal expansion) near1 coefficient)) same (CCD or housing or package or assembly or module)	US-PGPUB; USPAT; USOCR	OR	ON	2006/12/18 14:41
S18 5	10358	(glass and (aluminum oxide)) with (thermal expansion)	US-PGPUB; USPAT; USOCR	OR	ON	2006/12/18 14:42
S18 6	11073	(glass and (aluminum oxide)) with (thermal expansion coefficient)	US-PGPUB; USPAT; USOCR	OR	ON	2006/12/18 14:42
S18 7	539	((glass and (aluminum oxide)) with (thermal expansion coefficient)) same difference	US-PGPUB; USPAT; USOCR	OR	ON	2006/12/18 14:43
S18 8	11079	((glass and (aluminum oxide)) with (thermal expansion coefficient)) with difference	US-PGPUB; USPAT; USOCR	OR	ON	2006/12/18 14:43
S18 9	207	((glass and (aluminum oxide)) with (thermal expansion coefficient)) with difference	US-PGPUB; USPAT; USOCR	OR	ON	2006/12/18 14:46
S19 0	1	((glass and (aluminum adj1 oxide)) with (thermal expansion coefficient)) with difference	US-PGPUB; USPAT; USOCR	OR	ON	2006/12/18 14:48
S19 1	1	S190 and (aluminum adj1 oxide)	US-PGPUB; USPAT; USOCR	OR	ON	2006/12/18 14:48